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मानक

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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

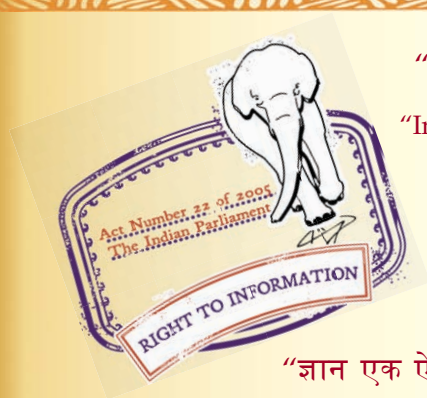
“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 1096 (1987): Handloom Cotton Holland Cloth, Unscoured
[TXD 8: Handloom and Khadi]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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Indian Standard

SPECIFICATION FOR HANDLOOM COTTON HOLLAND CLOTH, UNSCOURED

(First Revision)

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BUREAU OF INDIAN STANDARDS
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NEW DELHI 110002

Indian Standard

SPECIFICATION FOR HANDLOOM COTTON HOLLAND CLOTH, UNSCOURED (*First Revision*)

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(*Continued on page 2*)

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(Continued from page 1)

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(Continued on page 8)

Indian Standard
SPECIFICATION FOR
HANDLOOM COTTON HOLLAND CLOTH,
UNSCOURED
(First Revision)

0. FOREWORD

0.1 This Indian Standard (First Revision) was adopted by the Bureau of Indian Standards on 28 August 1987, after the draft finalized by the Handloom and Khadi Sectional Committee had been approved by the Textile Division Council.

0.2 This Indian Standard which was published in 1957 has been taken up for revision in order to make it up-to-date. Following are the major changes carried out in this version:

- a) Breaking load requirement has been deleted since the standard recommends the use of yarns conforming to IS : 171-1985*,
- b) Latest version of Indian standards on test methods have been referred, and
- c) Inspection, marking and packing clauses have been included.

0.3 For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS : 2-1960†. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

1. SCOPE

1.1 This standard prescribes constructional particulars and other requirements of handloom cotton holland cloth, unscoured.

*Specification for cotton and cotton regenerated cellulosic fibre blended grey yarn (*third revision*).

†Rules for rounding off numerical values (*revised*).

1.2 This standard does not specify the general appearance, lustre, feel, finish, etc, of the cloth.

2. MANUFACTURE

2.1 Yarn — The cotton yarn used in the manufacture of cloth shall conform to Grade HL of IS : 171-1985*.

2.1.1 The warp used in the manufacture of cloth shall be unbleached, and the weft, grandrelle yarn (*see Note*) and shall be such that the cloth produced complies with the requirements of this standard.

NOTE — Grandrelle yarn has been defined as a two-ply yarn composed of single yarns which differ from each other in colour or lustre (*see IS : 232-1985†*).

2.2 Cloth — The cloth shall be free from substances liable to cause subsequent tendering.

3. REQUIREMENTS

3.1 The constructional particulars of cloth shall conform to those given in Table 1.

3.2 The cloth shall also conform to the requirements given in Table 2.

3.3 If in order to illustrate or specify the indeterminable characteristics such as general appearance, lustre, feel and shade of the cloth, a sample has been agreed upon and sealed, the supply shall be in conformity with the sample in such respects.

3.3.1 The custody of the sealed sample shall be a matter of prior agreement between the buyer and the seller.

4. INSPECTION

4.1 The cloth when visually inspected, should be reasonably free from following defects:

- a) Weft crack or more than two missing picks across the width;
- b) Prominently noticeable weft bar due to the difference in raw material, count, twist, lustre, shade, etc;
- c) More than two adjacent ends running parallel, broken or missing and extending beyond 15 cm;
- d) Prominent selvage defects;

*Specification for cotton and cotton regenerated cellulosic fibre blended grey yarn (*third revision*).

†Glossary of textile terms—natural fibres (*second revision*).

- e) Noticeable warp or weft float;
- f) Noticeable oil or other stains;
- g) Noticeable hole, cut or tear up to 3 mm in size; and
- h) Smash rupturing the texture of the fabric.

4.1.1 A reference may be made to IS : 4125-1967* for details of the defects.

TABLE 1 CONSTRUCTIONAL PARTICULARS OF HANDLOOM COTTON HOLLAND CLOTH, UNSCOURED

(Clause 3.1)

SL No.	CHARACTERISTICS	REQUIREMENTS	METHOD OF TEST
(1)	(2)	(3)	(4)
i)	Count of yarn (approx) (for guidance only) Tex (cotton count)		—
a)	Warp	37 (or 16*)	
b)	Weft	59 (or 10*)	
ii)	Number of threads, per dm		IS:1963 - 1981*
a)	Ends	200	
	Tolerance	± 5 percent	
b)	Picks	170	
	Tolerance	± 5 percent	
iii)	Weight of fabric, g/m ²	200	IS:1964 - 1970†
	Tolerance	± 5 percent	
iv)	Dimensions		IS:1954 - 1969‡
a)	Length, m	As declared or agreed	
	Tolerance	See NOTE	
b)	Width, cm	71, 76, 91 or as agreed	
	Tolerance	—2 percent	
v)	Weave	Plain	Visual

NOTE — The length shall not be less than that declared.

*Methods for determination of threads per unit length in woven fabrics (*second revision*).

†Methods for determination of weight per square metre and weight per linear metre of fabrics (*first revision*).

‡Methods for determination of length and width of fabrics (*first revision*).

*Glossary of terms pertaining to defects in fabrics.

TABLE 2 REQUIREMENTS OF HANDLOOM COTTON HOLLAND CLOTH, UNSCURED

(Clause 3.2)

SL No.	CHARACTERISTICS	REQUIREMENTS	METHOD OF TEST
i)	Colour fastness rating to		
a)	Light	4 or better	IS : 686 - 1985* or IS : 2454 - 1985†
b)	Washing : Test 4 :		IS : 765 - 1979‡
	i) Change in colour	} 3 or better	
	ii) Staining on cotton		
ii)	Scouring loss, percent, <i>Maximum</i>	10	IS : 1383 - 1977§
iii)	Dimensional change, percent <i>Maximum</i>	5	IS : 9 - 1982

*Methods for determination of colour fastness of textile materials to daylight (*first revision*).

†Methods for determination of colour fastness of textile materials to artificial light (xenon lamp) (*first revision*).

‡Method for determination of colour fastness of textile materials to washing : Test 4 (*second revision*).

§Methods for determination of scouring loss in grey and finished cotton textile materials (*first revision*).

||Method for determination of dimensional changes of woven fabrics on washing near the boiling point (*second revision*).

5. MARKING

5.1 The cloth shall be suitably marked or labelled with the following information :

- Name of the material;
- Manufacturer's name, initials or trade-mark;
- Month and year of manufacture; and
- Length and width of the piece.

5.1.1 The cloth may also be marked with the Standard Mark.

NOTE — The use of the Standard Mark is governed by the provisions of the Bureau of Indian Standards Act, 1986 and the Rules and Regulations made thereunder. The Standard Mark on products covered by an Indian Standard conveys the assurance that they have been produced to comply with the requirements of that standard under a well defined system of inspection, testing and quality control which is devised and supervised by BIS and operated by the producer. Standard marked products are also continuously checked by BIS for conformity to that standard as a further safeguard. Details of conditions under which a licence for the use of the Standard Mark may be granted to manufacturers or producers, may be obtained from the Bureau of Indian Standards.

6. PACKING

6.1 Unless otherwise agreed upon by the buyer and the seller, the cloth shall preferably be packed in bales or cases in conformity with the procedure laid down either in IS:1347-1972* or IS:293-1980†.

7. SAMPLING

7.1 The scale of sampling and criteria for conformity as given in IS : 3919-1966‡ shall be followed in respect of physical characteristics, namely, number of threads per decimetre, weight of fabric and dimensions.

7.2 The scale of sampling and criteria for conformity as given in IS : 5463 - 1969§ shall be followed in respect of the chemical characteristics, namely, colour fastness, scouring loss and dimensional changes.

*Specification for inland packaging of cotton cloth and yarn (*first revision*).

†Code for seaworthy packaging of cotton yarn and cloth (*third revision*).

‡Methods for sampling cotton fabrics for determination of physical characteristics.

§Methods for sampling of cotton fabrics for chemical tests.

(Continued from page 2)

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